

Appl. No. 10/735,866
Amdt. Dated: December 16, 2004
Reply to Office Action of: November 16, 2004

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (previously presented) A storage device comprising a carousel having a plurality of locations disposed about an axis to receive articles, a delivery station axially spaced from said locations and a robotic device located within said carousel to transfer articles between one of said locations and said delivery station, said robotic device being moveable radially relative to said axis toward and away said locations and axially to between said delivery station and said location to facilitate transfer of articles within said carousel.
2. (previously presented) A storage device according to claim 1 wherein said robotic device is rotatable about said axis to permit alignment with different ones of said locations.
3. (previously presented) A storage device according to claim 2 wherein said delivery station is located at one end of said carousel.
4. (previously presented) A storage device according to claim 3 wherein said delivery station is located at a lower end of said carousel.
5. (previously presented) A storage device according to claim 4 wherein said carousel is located on a plinth and said delivery station is located within said plinth.
6. (previously presented) A storage device according to claim 5 wherein said robotic device is operable in said delivery station to move an article radially between said delivery station and a workstation disposed about said plinth.
7. (previously presented) A storage device according to claim 5 wherein said plinth is inset from said carousel.
8. (previously presented) A storage device according to claim 1 wherein said robotic device includes an arm supported on a body and extendible toward and away from said locations.
9. (previously presented) A storage device according to claim 8 wherein said body is

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displaceable within said carousel along said axis.

10. (previously presented) A storage device according to claim 9 wherein said body is rotatable within said carousel.
11. (currently amended) A method of moving articles by a robotic device between a delivery station and storage locations in a carousel, said method comprising the steps of moving said article radially between said location and an interior of said carousel and axially within said carousel to said delivery station.
12. (previously presented) A method according to claim 11 including the step of rotating said article within said carousel to orient said article relative to said carousel.
13. (previously presented) A method according to claim 12 including the step of moving said article radially at said delivery station toward a workstation.